

Pkg Sil Spg Waste Water Quality -- No. 509408

Category **Transportation**
 Agency **Public Works & Transportation**
 Planning Area **Silver Spring**
 Relocation Impact **None**

Date Last Modified
 Previous PDF Page Number
 Required Adequate Public Facility

March 25, 2004
11-42(03 App)
NO

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY03	Est. FY04	Total 6 Years	FY05	FY06	FY07	FY08	FY09	FY10	Beyond 6 Years
Planning, Design and Supervision	578	508	50	20	20	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities											
Construction	2,645	1,545	200	900	900	0	0	0	0	0	0
Other											
Total	3,223	2,053	250	920	920	0	0	0	0	0	0

FUNDING SCHEDULE (\$000)

Current Revenue:											
Parking - Silver Spring	3,223	2,053	250	920	920	0	0	0	0	0	0

ANNUAL OPERATING BUDGET IMPACT (\$000)

DESCRIPTION

This project provides for the modification of storm and sanitary sewer lines, the installation of stormceptors, diverter valves, and WSSC-approved oil/sand interceptors in several garages in Silver Spring.

Service Area

Silver Spring Parking Lot District.

Capacity

Not applicable

JUSTIFICATION

Under the Maryland Department of Environment (MDE) Discharge Permit, Code of Maryland [COMAR] 26.08.01 [Water Pollution], and WSSC 514.6, 628.1, and 702.1, the effluent that discharges into the storm system must comply with metal limits not previously required and that are not effectively removed by gravity separators such as copper, lead, and zinc. To ensure compliance, wash-down from all parking levels within a parking structure will be discharged into the WSSC sanitary sewer system through a WSSC-approved oil/sand interceptor.

Specific Data

Under the Maryland Department of the Environment discharge permit, the effluent that discharges into the storm system must comply with metal limits (copper, lead, and zinc) not previously required and which are not effectively removed by gravity separators. To ensure compliance, washdown from all parking levels within a parking structure will be discharged into the WSSC sanitary system through a WSSC-approved oil/sand interceptor. A waiver has been obtained from WSSC for the installation of a pneumatically operated ball valve that is normally open to the storm drain system and closed to the sanitary system. In order to open the valve to the sanitary system during deck washing operations, a portable air compressor would be attached to actuate the valve. In addition, the valve will be equipped with a spring-diaphragm which returns the valve to the normally closed position (to the sanitary system) upon completion of deck washing operations and removal of the air compressor. The spring-diaphragm actuator will be provided with a mechanical lockout which prevents the valve from being actuated unless a keyed entry is provided.

Cost Change

Decrease due to costs lower than anticipated.

STATUS

Parking Garages 5, 2, 7, and 21 have been converted, and Garages 4, 5, and 55 are being converted such that all drainage from covered parking levels discharges into the WSSC sanitary system through a WSSC-approved oil/sand interceptor, and the uncovered parking surfaces (top levels of the structures) discharge into the County's stormwater system through a stormceptor. Parking Garages 2, 7, and 21 have been converted such that all drainage on all levels discharges into WSSC sanitary system during washdowns.

OTHER

The modifications funded in this project are required for the Department to perform garage cleaning activities (washdown, etc.). The funding schedule is based on the projected economic condition for the CBD and current financial condition of the PLD fund. Completion of Parking Garages 4, 5, 9, and 55 will be in FY03-04.

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY94	(\$000)
Initial Cost Estimate		875
First Cost Estimate		
Current Scope	FY97	918
Last FY's Cost Estimate		3,283
Present Cost Estimate		3,223
Appropriation Request	FY05	-60
Appropriation Request Est.	FY06	0
Supplemental		
Appropriation Request	FY04	0
Transfer		0
Cumulative Appropriation		3,283
Expenditures/		
Encumbrances		2,350
Unencumbered Balance		933
Partial Closeout Thru	FY02	0
New Partial Closeout	FY02	0
Total Partial Closeout		0

COORDINATION

Department of Environmental Protection
 WSSC
 State of Maryland

MAP

See Map on Next Page